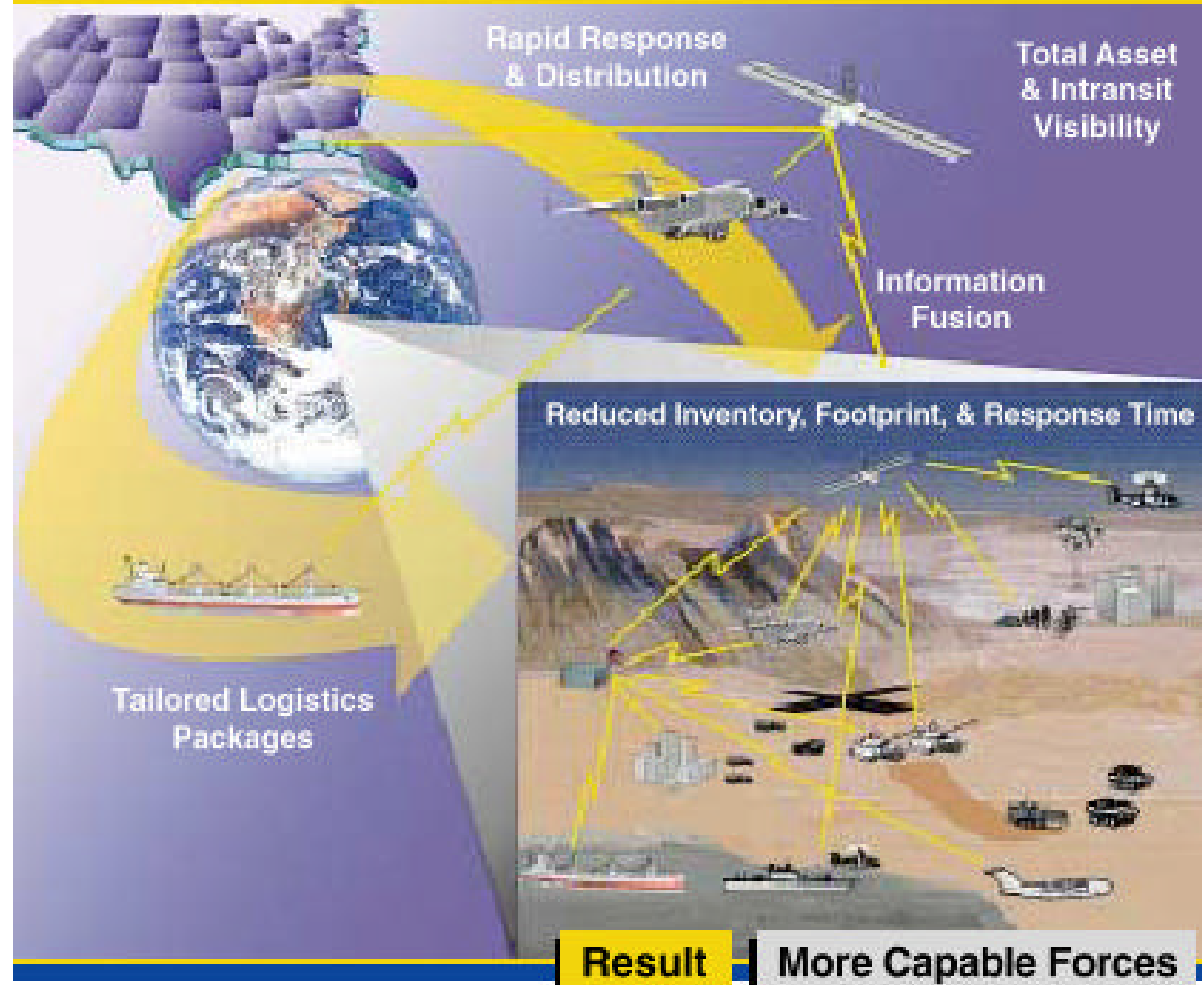


# A Large Scale Information System Challenge

## Focused Logistics: Precise Application of Logistics



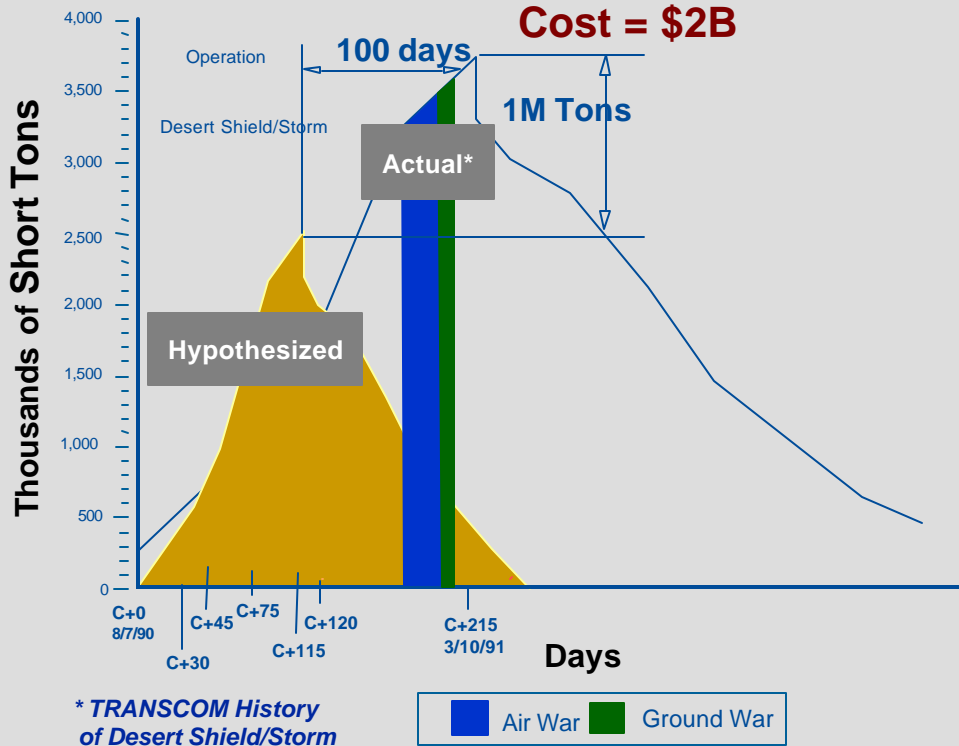
Joint Vision  
2010



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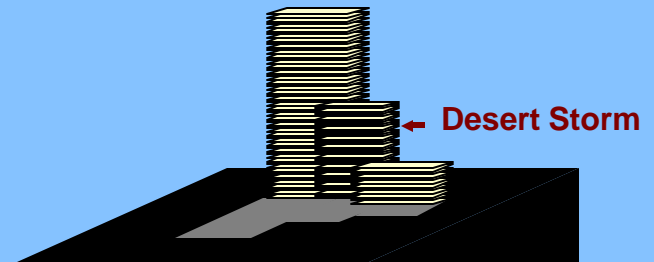
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## The Impact of Information Systems



**Current systems take weeks to build low quality plans with notional data**

## The Current Planning Environment



- Sequential phases
- Manually intensive
- Plans take days to months to complete
- Based on notional data
- Limited understanding of shortfalls and bottlenecks
- Plans are static artifacts...

## *...Plus ...*

- *No operational architecture*
- *Over a 1,000 stovepipe, logistics systems*
- *Vast majority of which are not interoperable, lack flexibility and are difficult to evolve to new processes and doctrine*

# Visionary Grand Challenge

An Integrated System Concept for Real Time End to End Logistics Planning and Supply Chain Management:

## Automated Logistics Plan Generation

- Automate plan development
- Level 5, execution detail
- Build in under 1 hour
- Interorganization cooperation and system interoperability

## End-to-End Movement Control

- Minimize internal staging
- Globally optimize use of resources
- Item level planning

## Execution Monitoring

- Continuous monitoring and adaptation during execution
- Automatically detect deviations
- Selectively correct plan in minutes
- Dependable under adverse conditions

## Rapid Supply and Sustainment

- Continuous demand generation
- Source against both DoD/Commercial inventories
- Time-phased sustainment

## End-to-End Logistics System

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# The Enormity of Military Logistics

- Military Logistics is Enormously...
  - Complex : 10000+ interacting/cooperating Organizations each with own business processes
  - Dynamic : Plans change as resources, requirements, execution change
  - Detailed : 6,000,000 NSN's (National Stock Numbers = Distinct Object Types)